The SST™ Remote Scanner for DeviceNet controls and monitors I/O devices connected to a DeviceNet network without the need of a local PC. DIN rail mountable, multiple SST Remote DeviceNet Scanners can be connected to one Ethernet switch which is then connected back to a PC residing on an Ethernet network. The PC allows users to remotely access I/O and diagnostic information from the SST Remote DeviceNet Scanner and the DeviceNet network.

Benefits include:
- Backward compatible DLL preserves existing investment for SST DeviceNet card users
- DIN rail mounting allows distribution to machine level
- Frees up PC slots by placing scanner cards remotely
- Manage your DeviceNet application across an Ethernet LAN
- Reduce infrastructure costs by using cheaper Ethernet cable and fewer and less expensive PCs

FEATURES
- High performance DeviceNet protocol executed via multiple SST Remote DeviceNet Scanners
- User interface DLL/API is backward compatible with existing applications and local DeviceNet interface cards
- Diagnostic LEDs
- UCMM (Unconnected Message Manager) capable; Group 1, 2, and 3 dynamic explicit connections supported
- Provides simultaneous execution of Group 2 Client (Master) and Server (Slave) operation
- Supports all DeviceNet standard baud rates: 125, 250, and 500 Kbaud
- Supports Poll, Strobe, Change of State (COS) and Cyclic I/O messaging
- Provides Client (Master) explicit messaging to slave devices

SOFTWARE TOOLS
The Remote DeviceNet Diagnostic Tool enables fast integration of the Remote DeviceNet Scanner by:
- Automatically detecting devices on the network
- Displays information regarding the network, including the status of the scanner, slave devices, CAN and general bus data
- Displays the configuration information for the master, server and DN network devices
- Displays and allows changes to the I/O data for the server and network devices
- Allows definition of the remote scanner configuration

Optional software tools such as the DeviceNet Console and OPC Server are also available.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Diagnostic LEDs</th>
<th>Remote Scanner – Power, System Status DeviceNet – Power, Communication, Health Ethernet – Link, 10/100 MBit/s, Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Scanner Power</td>
<td>10 – 30 V DC, 330 mA typical (male Nano-Change® M8 connector)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to +50°C (+32 to +122°F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85°C (-40 to +185°F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>5 to 95% non-condensing</td>
</tr>
<tr>
<td>RoHS Compliant</td>
<td>Yes</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE, ODVA DeviceNet Conformance</td>
</tr>
</tbody>
</table>

**OS and Drivers Supported**
- Microsoft Windows XP, Vista and 7 (32/64 bit) drivers
  - Example C source code and Windows 32-bit DLLs for custom driver development

**Protocol**
- DeviceNet master – Group 2 Client, Group 2 only Client
  - DeviceNet slave – Group 2 Server
- CAN 2A

**Cables**
- DeviceNet: shielded twisted pair, compatible with target network
  - Ethernet: Cat 5e shielded

**Connectors**
- DeviceNet: compliant male Micro-Change® M12 connector
  - Ethernet: RJ45

**DeviceNet Power**
- 11-24 V DC, 50 mA typical

**Isolation**
- 500 V

**Data Rates**
- 125 K, 250 K and 500 K baud for DeviceNet
  - 10/100 MBit for Ethernet

**NETWORK SPECIFICATIONS**

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>SAP Material Number</th>
<th>Catalog Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1120340021</td>
<td>SST-EDN-1</td>
<td>SST™ Remote DeviceNet Scanner (without cables)</td>
</tr>
</tbody>
</table>
| 1120340026          | SST-EDN-1-C2   | SST™ Remote DeviceNet Scanner with cable kit (DeviceNet and Power)
  - Single-ended power cable: 3-pole, M8 connector on one end, 2 meters (6.6 ft), UL/CSA cable, Cat. No. 40300A10M020
  - Single-ended DeviceNet cable: 5-pole, M12 connector on one end, 2 meters (6.6 ft), UL/CSA cable, Cat. No. DND20A-M020 |

*Remote DeviceNet Scanners can be ordered with cable kits (see above) or alternate cables can be ordered.*